

TOP SECRET CHESS RUFF

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Attachment to

13 March 1967

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REFERENCE TO:

LAUNCH COMPLEX A

SARY-SHAGAN ANTIMISSILE TEST CENTER, USSR

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1. SIGNIFICANCE:

NEWLY IDENTIFIED FEATURES AND ACTIVITY ARE OBSERVED: A NEWLY IDENTIFIED MISSILE IS OBSERVED AT LAUNCH POSITIONS 5 AND 6 OF LAUNCH SITE 3; TWO POSSIBLE MISSILES ARE NEWLY IDENTIFIED AT THE MISSILE HANDLING AREA; THE PROBABLE LONG RANGE SAM LAUNCHERS AT LAUNCH SITE 3 HAVE A DUAL RAIL, AS DOES A MISSILE TRANSPORTER; AND ELECTRONIC SITE "F" HAS BEEN INCREASED BY ONE BACK NET AND AND REDUCED BY ONE SIDE NET RADAR.

2. LOCATION:

36 NM WNW OF SARY-SHAGAN

3. REMARKS:

LAUNCH SITES 3 AND 4 ARE CONSIDERED TO BE THE R AND D FACILITY FOR THE PROBABLE LONG RANGE SAM LAUNCH COMPLEXES. THE ENGAGEMENT RADAR HAS BEEN IDENTIFIED AS THE TRACKING/ GUIDANCE RADAR AT THE DEPLOYED PROBABLE LONG

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GROUP 1
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RANGE SAM LAUNCH COMPLEXES AND BACK NET/
SIDE NET RADARS ARE KNOWN TO HAVE AN AIR
WARNING FUNCTION.

4. COLLATERAL:

NONE

5. FIRST IDENTIFICATION:

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6. NEGATION DATE:

NONE

7. SUBSEQUENT COVERAGE:

38 KH-4, 9 KH-7, MISSIONS.

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8. DIMENSIONS/
SPECIFICATIONS:

MENSURATION BASED ON THIS MISSION

LAUNCH SITE 3: DUAL RAIL LAUNCHERS

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LAUNCH SITE 3, POSITION 5:

MISSILE: 35 FT LONG

BOOSTER SECTION:

SUSTAINER SECTION:

LAUNCH SITE 3, POSITION 6: MISSILE

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TRANSPORTER ON ACCESS ROAD.

LAUNCH SITE 4, POSITION 1: MISSILE TRANSPORTER:

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MISSILE HANDLING AREA: 215 FT ELEVATED, RAIL-EQUIPPED STRUCTURES.

9. MISSION READOUT: AT LAUNCH SITE 3, MISSILES ARE SEEN ON LAUNCHERS AT LAUNCH POSITIONS 3/2, 3/5, AND 3/6, AND ON THE LEFT MISSILE DOLLY AT LAUNCH POSITION 3/6.

ALTHOUGH THIS RELATIVELY LARGE SCALE PHOTOGRAPHY REVEALS NEWLY IDENTIFIED FEATURES, CONFLICTING EVIDENCE REGARDING THE MISSILE CONFIGURATION CONTINUES UNRESOLVED. CONFIDENCE REGARDING THE FOLLOWING INTERPRETATIONS IS HIGH, WITH

THE LAUNCHERS AT LAUNCH SITE

3 HAVE A DUAL RAIL WITH THE 35-FT LONG MISSILE AT LAUNCH POSITION 3/5 IS PROBABLY SIMILAR TO THE 2 MISSILES SEEN AT LAUNCH POSITION 3/6 AND IS POSSIBLY SIMILAR TO THE MISSILE SEEN AT POSITION 3/2 AT LAUNCH SITE 3 ON THIS MISSION. IT HAS BOOSTER SECTION WITH AN OVERALL DIA-

THIS BOOSTER SECTION CONTAINS AT LEAST 3 CLUSTERED OR STRAPPED-ON BOOSTERS. SUSTAINER SECTION POSSIBLY HAS SMALL CANARD-LIKE FINS NEAR THE NOSE AND POSSIBLY A SET OF SHARPLY SWEPT-BACK STABILIZER FINS ALONG THE AFT END OF THE SUSTAINER SECTION. A POSSIBLE CABLE/BRACE CONNECTS THE LAUNCHER RAIL AND THE FORWARD SECTION OF THE MISSILE SUSTAINER. UNRESOLVED CONFLICT OF EVIDENCE INCLUDES THE PRESENCE OF POSSIBLE FIN SHADOW, THE POSITION OF WHICH INDICATES THAT THE TRAILING EDGE OF THE FIN ROOT IS

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LOCATED [REDACTED] OF THE MISSILE NOSE, INDICATING THAT THE FIN EXTENDS INTO THE BOOSTER SECTION. HOWEVER, THE IMAGE OF THE 3 BOOSTER ELEMENTS, WHICH BEGINS [REDACTED] AFT OF THE NOSE, IS UNBROKEN BY FINS. WITH THE EXCEPTION OF THE SO-CALLED MOCK-UP MISSILES WHICH WERE PREVIOUSLY LOCATED NORTH OF LAUNCH POSITION 3/3, A WELL DEFINED FIN-LIKE COMPONENT HAS NOT BEEN CONFIRMED ON ANY OF THE MISSILES ASSOCIATED WITH THE PROBABLE LONG RANGE SAM SYSTEM AT LAUNCH COMPLEX 2, OR AT LAUNCH SITES 3 AND 4 OF LAUNCH COMPLEX A, ALTHOUGH ON A NUMBER OF OCCASIONS, SHADOWS REVEAL THAT SOME SORT OF FIN SYSTEM POSSIBLY EXISTS. THE POSSIBILITY THAT FINS OR BOOSTER ELEMENTS HAVE ON OCCASION BEEN REMOVED CANNOT BE CONFIRMED OR NEGATED.

THE LAUNCHER AT LAUNCH POSITION 3/3 IS UNOCCUPIED. LAUNCHERS ARE NOT PRESENT AT POSITIONS 3/1 OR 3/4. TWO MISSILE DOLLIES ARE OBSERVED AT POSITIONS 3/5 AND 3/6, ONE DOLLY AT POSITION 3/2, AND 2 UNIDENTIFIED PIECES OF EQUIPMENT AT POSITION 3/4. PARKED JUST NORTH OF POSITION 3/3 ARE 12 MISSILE DOLLIES, 6 LAUNCHERS WITH AN APPROXIMATE [REDACTED] DUAL RAIL RUNNING THE LENGTH OF THE LAUNCHER, AN EMPTY MISSILE TRANSPORTER WITH DUAL RAIL AND 10 PIECES OF UNIDENTIFIED EQUIPMENT. THE 2 PROBABLE MISSILE MOCK-UPS HAVE BEEN REMOVED AND 2 UNOCCUPIED PALLETS/CRADLES ARE IN THEIR PLACE. AN EMPTY MISSILE TRANSPORTER [REDACTED] IS OBSERVED ON THE ACCESS ROAD CLOSE TO POSITION 3/6. SIX VANS/GENERATORS OCCUPY THE CENTRAL AREA AT LAUNCH SITE 3.

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AT LAUNCH SITE 4, NO MISSILES ARE OBSERVED. A MISSILE TRANSPORTER (APPROXIMATELY [REDACTED]) IS ON THE ROAD CLOSE TO THE LAUNCHERS AT POSITION 4/1. POSITIONS 4/2 THROUGH 4/6 ARE UNOCCUPIED BY LAUNCHERS. TWO MISSILE DOLLIES ARE PRESENT AT LAUNCH POSITIONS 4/1 AND 4/2, AND ONE DOLLY AT POSITIONS 4/2 AND 4/4. FOUR VANS/GENERATORS OCCUPY THE CENTRAL AREA. AT ELECTRONIC SITE B, RADAR POSITIONS B-1 AND B-2 CONTINUE TO BE OCCUPIED BY ENGAGEMENT RADARS. HOWEVER, THE ENGAGEMENT RADAR AND ASSOCIATED VANS SEEN ON [REDACTED] AT RADAR POSITION B-3 ARE NO LONGER PRESENT.

AT THE MISSILE HANDLING AREA JUST EAST OF THE 3 OPERATIONS BUILDINGS AT ELECTRONIC SITE B, 2 SLIGHTLY INCLINED POSSIBLE MISSILES ARE OBSERVED ON THE NORTH END OF THE 2 PARALLEL, 215-FT LONG, ELEVATED RAIL-EQUIPPED STRUCTURES. THESE ELEVATED STRUCTURES HAVE A SEPARATION DISTANCE OF 20 FT AND ARE EQUIPPED WITH RAILS HAVING AN APPROXIMATELY [REDACTED] TWO POSSIBLE MISSILES WERE PRESENT ON THE ELEVATED RAILS ON [REDACTED] HOWEVER, ONE WAS IN A SLIGHTLY DIFFERENT POSITION FROM THAT CURRENTLY SEEN. THE ELEVATED RAIL STRUCTURES APPEARED BETWEEN AUGUST AND DECEMBER 1963. TWELVE VEHICLES/CRATES PARKED BETWEEN THE ELEVATED RAIL STRUCTURES AND THE SOUTHERNMOST BUILDING OF THE 3 OPERATIONS BUILDINGS OF ELECTRONIC SITE B HAVE APPEARED SINCE [REDACTED] AT ELECTRONIC SITE F, INSTEAD OF THE USUAL COMPLEMENT OF 2 BACK NET AND 2 SIDE NET RADARS AS LAST OBSERVED [REDACTED] THERE ARE NOW 4 BACK NET AND 1 SIDE NET RADAR. THE SIDE NET RADAR PREVIOUSLY OCCUPYING THE NW RADAR

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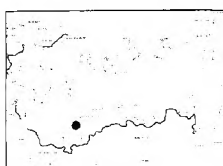
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POSITION HAS BEEN REPLACED BY A BACK NET RADAR AND A FOURTH BACK NET RADAR HAS APPEARED CLOSE TO THE CENTER OF THE FACILITY. VANS HAVE BEEN REPOSITIONED NEAR THE WEST-CENTRAL BOUNDARY AND 8 VEHICLES HAVE LEFT THE SITE DURING THIS PERIOD. THE PROBABLE VAN OBSERVED AT ELECTRONIC SITE G IS NO LONGER PRESENT.

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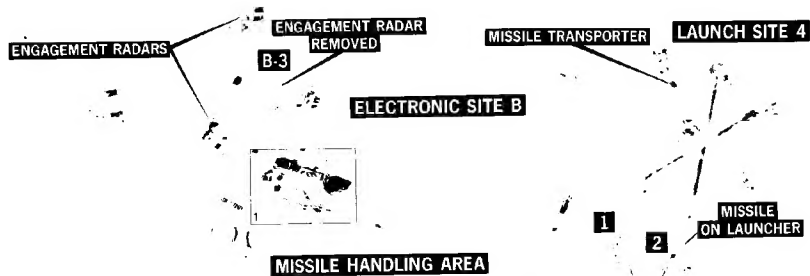
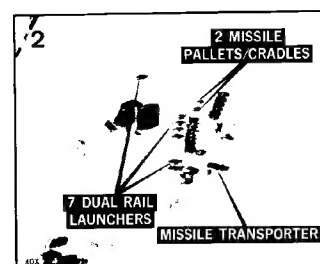
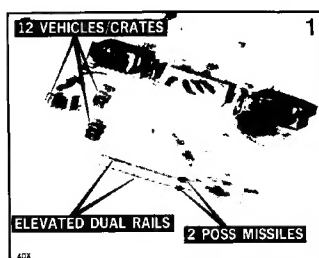
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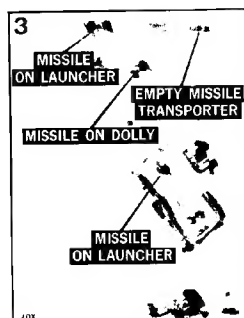
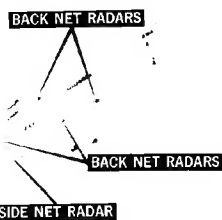


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ELECTRONIC SITE F



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